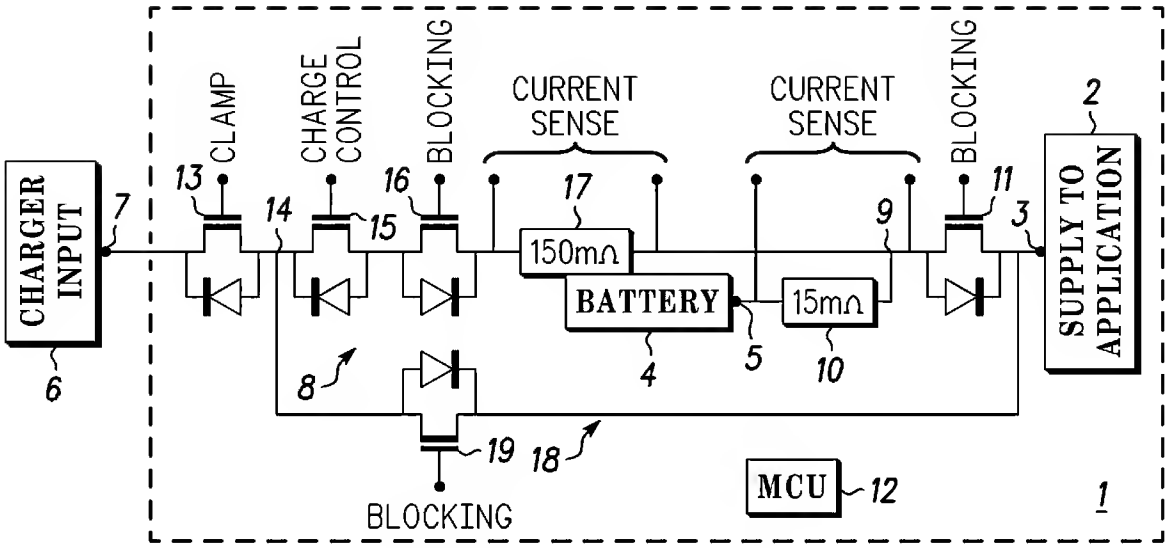

CHARGER INPUT
6
7
CLAMP
13
CHARGE CONTROL
14
BLOCKING
15
16
CURRENT SENSE
17
150mΩ
BATTERY
4
CURRENT SENSE
9
15mΩ
5
10
BLOCKING
11
3
SUPPLY TO APPLICATION
2
8
19
18
BLOCKING
MCU
12
1

FIG. 1

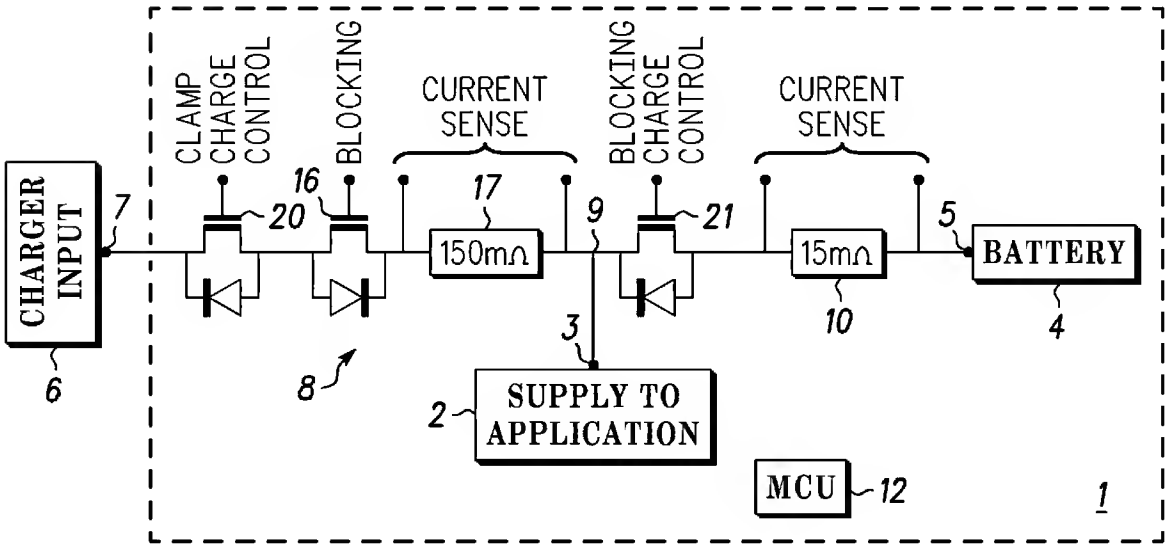

CHARGER INPUT
6
7
CLAMP CHARGE CONTROL
20
16
BLOCKING
CURRENT SENSE
17
150mΩ
9
BLOCKING CHARGE CONTROL
21
CURRENT SENSE
15mΩ
10
5
BATTERY
4
3
8
2
SUPPLY TO APPLICATION
MCU
12
1

FIG. 2

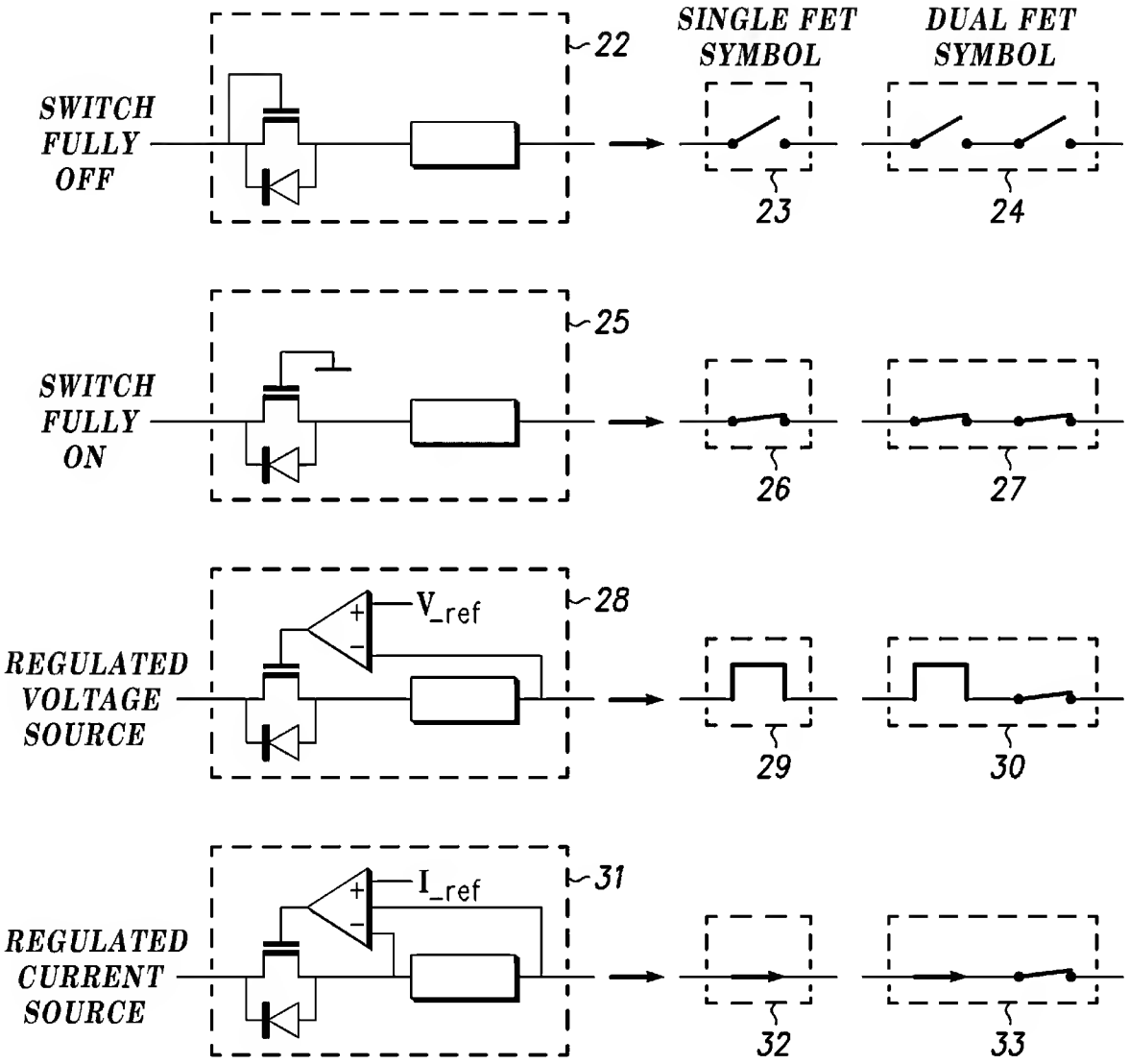

SINGLE FET SYMBOL
DUAL FET SYMBOL
SWITCH FULLY OFF
22
23
24
SWITCH FULLY ON
25
26
27
REGULATED VOLTAGE SOURCE
V_ref
28
29
30
REGULATED CURRENT SOURCE
I_ref
31
32
33

FIG. 3

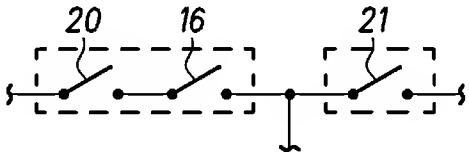
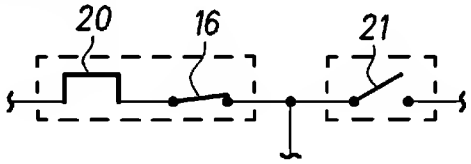
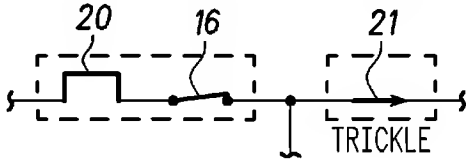
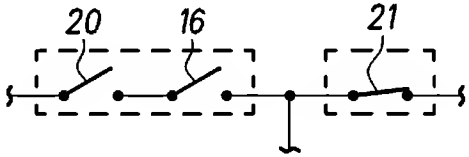
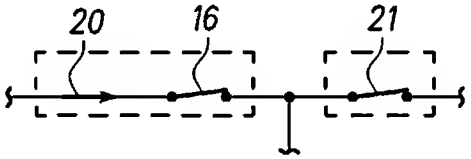
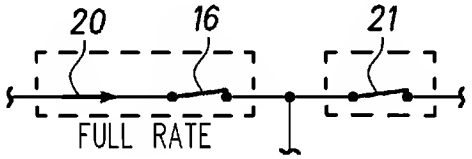
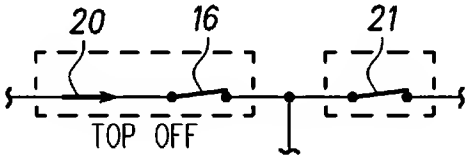
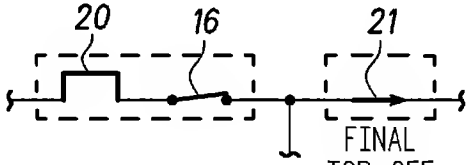
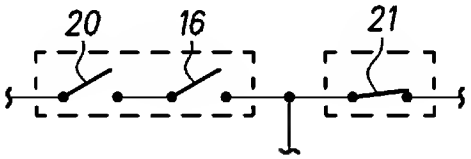
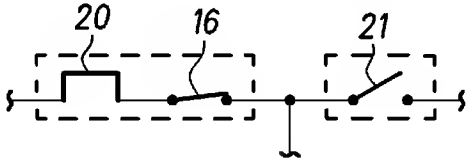
	NO CHARGER PRESENT	LOW POWER CHARGER PRESENT CAN SUPPLY APPLICATION IN LOW CURRENT MODES	HIGH POWER CHARGER PRESENT CAN SUPPLY APPLICATION IN ALL MODES
NO BATTERY	A 	C 	
DEPLETED BATTERY		D 	
LOW / NORMAL BATTERY	B 	E 	F 
BATTERY TOP OFF		G 	H 
BATTERY FULL		I 	J 

FIG. 4